6-1-96-919 stat over from 5-1 (Mradise fate)
PUA-6122176

FILE NOTATIONS

ntered in NID File Rion Map Pinned A Indexed	••••••	Checked by Chief Approval Letter Disapproval Letter
Completed Completed	5/23/16	Location Inspected
fA.		Bond released State or Fee Land
's Log	LOGS FII	LED (5-/)
ac Sonic GR.	Lat !	Mi-L Sonic

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

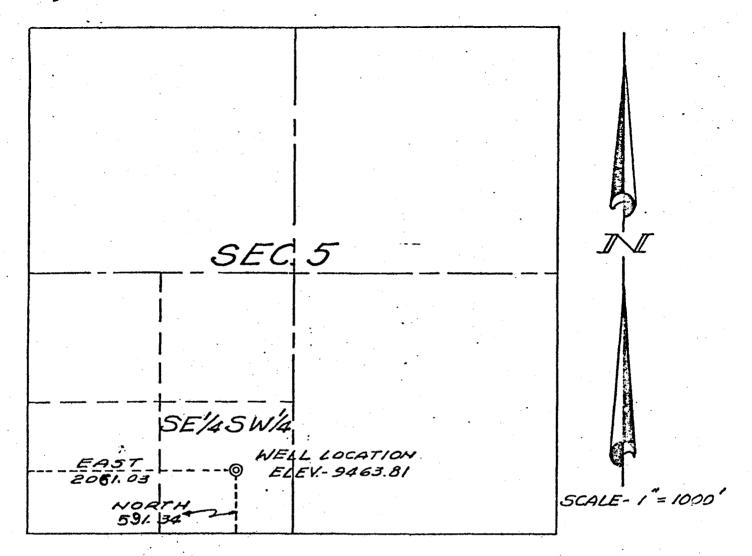
Form approved. Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

	GEOLO	GICAL SURV	EY			บ–3547		
APPLICATION	Y FOR PERMIT	TO DULL, I	DEEPI	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTE	S OR TRIBE NAME	
a. TYPE OF WORK		MAY 27 1070		PLUG BAC	~ C	7. UNIT AGREEMENT	NAMB	
DK! b. TYPE OF WELL		MAY 27 1976		PLUG BAC	- ^ -L	Paradise La	ake	
	AS OTHER D	AISION O	91	NGLE X MULTIP		8. FARM OR LEASE NA		
NAME OF OPERATOR		AS, & MINING		THE CALL DON'S				
Colt Oil In	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	· · · · · · · · · · · · · · · · · · ·	157			9. WELL NO.		
ADDRESS OF OPERATOR	corporated V		(0/-			5-1A		
P. O. Box 36	052, Grand June	tion, Colo	ado	81501		10. FIELD AND POOL,	OR WILDCAT	
LOCATION OF WELL (R	eport location clearly and					Wildcat		
At surface 2061'	FNL, 591' FSL,	Sec. 5, T2	25S,	R4E, Sevier Cou	inty,	11. SEC., T., E., M., OR AND SURVEY OR A		
At proposed prod. zon	ie .			Utah		Sec. 5, T259		
					l			
	AND DIRECTION FROM NEA					12. COUNTY OR PARISE		
	ly 21 miles NE	of Loa, Uta	ah			Sevier	Utah	
LOCATION TO NEAREST	r		16. NO	OF ACRES IN LEASE		F ACRES ASSIGNED IIS WELL		
PROPERTY OR LEASE I (Also to nearest drig	INE, FT. g. unit line, if any)	611 Ft.		280	ļ			
DISTANCE FROM PROF TO NEAREST WELL, D	OSED LOCATION*			OPOSED DEPTH	20. ROTAL	Y OR CABLE TOOLS		
OR APPLIED FOR, ON TH	IS LEASE, FT.	None		4100'	<u> </u>	Rotary		
. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)	64' G.L.				22. APPROX. DATE W		
	940	94 G.D.			· · · · · · · · · · · · · · · · · · ·	May 26,	1976	
.	. 1	PROPOSED CASI	NG ANI	CEMENTING PROGRA	M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT	SETTING DEPTH		QUANTITY OF CEMENT		
15"	10 3/4"	40.5#		8001	Ceme	ement to Surface		
8 3/4"	4 1/2" *	10.5#		4100'	3.00	Sx.		
hole as proplugging and 800' and 10 nippled up shoe and drift required hole drilled be run and to 1000 psi will be 4½" and if communecessary.	posed above. Med abandoning the 3/4"-40.5# case and pressure to ill a 8 3/4" however, a 7"-20# inteded to about 4100 cemented with 1 g along with ca-20# casing setercial production.	Mechanical particular in the previous interpretable interpretabl	proble hole for the problem of the p	nt location about the string will be reduction string will be performercial product been secured.	ting continued to surface the surface to sing a set along the surface to surface the surface to sur	ircumstances of drilled to appeace. BOP's with face casing. It is the drilled to appear to the well of	necessitated pproximately ill be Drill out lling medium d a 6 1/4" ed, it will sure tested be productive ota sands, timulated if ill be plugge	
ne. If proposal is to eventer program, if an	drill or deepen direction	ally, give pertinen	t data o	on subsurface locations an	d measured	and true vertical dept	ths. Give blowout	
SIGNED PO	J. 920	TI	TLE _	lgent		DATE	25-26	
(This space for Fede	yal or State office use)	43-041-	30	CAPPROVAL DATE				
APPROVED BYCONDITIONS OF APPROV	AL, IF ANY:	TI	TLE			DATE		

T.255, R.4E. OF THE SALT LAKE MERIDIAN



WELL LOCATION

COLT OIL INCORPORATED

DENVER, COLORADO

THIS IS TO CERTIFY THAT PARADISE LAKE UNIT#5-1A THE WELL LOCATION SHOWN ON THIS PLAT WAS PLOTTED SITUATED IN FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY SE/4 SW /4 SECTION 5 ME OR UNDER MY SUPER-VISION AND THAT THE T 255, R.4E. OF THE SALTLAKE MERIDIAN SAME ARE TRUE AND CORRECT TO THE BEST SEVIER COUNTY, UTAH OF MY KNOWLEDGE AND BELIEF. DATE SURVEYED 6/3/10

REF. POINT ISOFEET EAST- ELEV-

REF. POINT COOFEET EAST- ELEV- 9468.81 REF. POINT 100 FEET NORTH - ELEV. - 9451.76 REF. POINT- 150 FEET NORTH-ELEV-

STHORASH, WALALE SCARROW AND WALKER REGISTERED LAND SURVEYORS

TOM WALKER CERTIFICATE NO. 1548

FILE NOTATIONS

Date:	May 24-	
Operator:	Calt Que	G.
Well No:	Paradise &	Cahe 5-1A
Location: <u>Sec</u>	. 5 T. 255 R.	E County: Sevier
File Prepared Card Indexed	<u></u>	Entered on N.I.D. Completion Sheet
Checked By: Administra	ative Assistant:	Que procy
Rema		Coordinator: Ok Put - planed # 6 Letter that prior to
	rks: Please in a	Letter that Avior to
Director:	any Plusque	letter that prior to ig t arbandoning, this office receive whi fication.
Rema		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Include Within	Approval Letter:	·
Bond Requ	ired	Survey Plat Required
Order No.		Blowout Prevention Equipment
Rule C-3(		otion/company owns or controls acreage us of proposed site
O.K. Rul	e C-3	O.K. In Unit
Other:	e C-3 K.j. Skid	Letter Written

Buaget	Bureau	No.	42-K1425.

	[174]	FED STATES	5		reverse '	`	•	
V	DEPARTN	OF THE I	NTE	RIOR	٠	. و سد	5. LEASE DESIGNATION	AND BERIAL NO.
<b>Y</b> -	GEOLO	GICAL SURV	ΕY				<b>U−3547</b>	•
APPLICATION	Y FOR PERMIT	O DRILL, I	DEEP	EN, OF	R PLUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1a. TYPE OF WORK	🗀		_				7. UNIT AGREEMENT N	· ·
	ILL X	DEEPEN [			PLUG BAC	.K ∐	Paradise La	
b. Type of Well oil G well Well	AS Y OTHER			INGLE X	MULTIPE	🗆	8. FARM OR LEASE NAM	
2. NAME OF OPERATOR				100	Or 1/13		¥.	
Colt Oil In	corporated		ŝ	SE	ENE 1976		9. WELL NO.	1.11 .
3. ADDRESS OF OPERATOR			į.	<b>ω</b> ε			5-1A Kee	drill
P. O. Box 3	052, Grand Junc	tion, Color	ado \	8150 <b>F</b>	1310th 131	/	10. FIELD AND POOL, O	R WILDCAT
4. LOCATION OF WELL (R At surface	eport location clearly and	in accordance wit	h any S	tate reoph	rements.*)		Wildcat	
2061'	FML, 591' FSL,	Sec. 5, T2	25S,	RME	evier Cou	nty,	11. SEC., T., B., M., OR B AND SUEVEY OR AR	LK. Ea
At proposed prod. zon	FNL			1.50	Utah	/	Sec. 5, T25S	,R4E
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFIC	E*			12. COUNTY OR PARISH	13. STATE
Approximate	ly 21 miles NE	of Loa, Uta	ìh				Sevier	Utah
15. DISTANCE FROM PROPO LOCATION TO NEARES!	ř		16. NO		S IN LEASE		F ACRES ASSIGNED	
PROPERTY OR LEASE I	LINE, FT. g. unit line, if any)	611 Ft.		280			, -	
18. DISTANCE FROM PROP TO NEAREST WELL, D	DILLING COMPLETED			ROPOSED DE	PTH	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON TH		None		4100'	5/4		Rotary	
21. ELEVATIONS (Show wh					CX		22. APPROX. DATE WO	
	946	4' G.L.			-60'		May 26,	1976
23.	,	PROPOSED CASIN	NG ANI	CEMEN	ring progra	М		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00 <b>T</b>	SETT	ING DEPTH	•	QUANTITY OF CEMEN	T
15"	10 3/4"	40.5#		800	1	Ceme	nt to Surface	
8 3/4"	4 1/2" *	10.5#		4100	7	3.00	Sx.	
<del></del>	l			ł		•		

If needed, a 7" intermediate string of casing will be set.

We propose to skid the rig from its present location about 30'-40' SW and drill a new hole as proposed above. Mechanical problems and extenuating circumstances necessitated plugging and abandoning the previous hole. A 15" hole will be drilled to approximately 800' and 10 3/4"-40.5# casing will be run and cemented to surface. BOP's will be nippled up and pressure tested to 1000 psig along with the surface casing. Drill out shoe and drill a 8 3/4" hole to approximately 4100 ft. using air as the drilling medium. If required, a 7"-20# intermediate casing string will be set about 1800' and a 6 1/4" hole drilled to about 4100'. If an intermediate string of casing is required, it will be run and cemented with 100 Sx. cement. BOP's will be nippled up and pressure tested to 1000 psig along with casing string. Production string, should the well be productive will be  $4\frac{1}{2}$ "-20# casing set at about 4100'. Geological objective is the Dakota sands, and if commercial production is found, it will be perforated, tested, and stimulated if necessary. If the well does not have commercial production indicated, it will be plugged and abandoned after proper permission has been secured.

IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive

zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

SIGNED SIGNED	TITLE CLOSE	DATE 5-25-76
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
PPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE
14/5/1/2 0+ 6-	Anna Vai	

June 1, 1976

Colt Oil Incorporated P.O. Box 3052 Grand Junction, Colorado 81501

> Re: Well No. Paradise Lake 5-1A Sec. 5, T. 25 S, R. 4 E, Sevier County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to <u>immediately notify the following prior to such operations:</u>

PATRICK L. DRISCOLL - Chief Petroleum Engineer HOME: 582-7247 OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API Number assigned to this well is 43-041-30012.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT DIRECTOR

CBF:sw

cc: U.S. Geological Survey

)			<b>*</b> -^					\
orm <b>9-331</b> May 1963)		UNITED STA		SUBMIT IN TRIPLI (Other instructions	on re-	Budg	et Bureau N	
		MENT OF TH		K verse side)	5.	LEASE DESIG	GNATION AND	SERIAL NO
		SEOLOGICAL S	SURVEY			U-3547	ALLOTTES OR	
SUNI (Do not use this f	ORY NOT	ICES AND R	EPORTS ON eepen or plug back T-" for such proper	t to a different reservoir		is indian,	ALLUIISS OR	la.
OIL GYS L	X OTHER		-	RFC 1916	7.	UNIT AGREE		
WELL WELL !	A OTHER			A IIN CE LO		FARM OR LE	se Lake	· · · · · · · · · · · · · · · · · · ·
Colt Oil Inc.			_	DIVISION MININ		72000 00 00		
ADDRESS OF OPERATOR			<del></del>	683,	<del>\(\frac{1}{2}\)</del> \(\frac{9}{2}\)	WELL NO.	<del></del>	<del>,</del>
P. O. Box 305	2, Grand	Junction, Co	olorado 815	01	>	5-1A		
LOCATION OF WELL (Re See also space 17 below	port location c	clearly and in accord	lance with any Sta	te requirements.	10	). FIELD AND	POOL, OR W	LDCAT
		591' FSL,	Sec. 5, T25	S, R4E, Sevier		Wildca		
				nty, Utah	11	SURVEY	, M., OR BLK. OR ARRA	AND
					1	Sec. 5	, T25S,	R4E
4. PERMIT NO.		15 ELFVATIONS (S	show whether DF, RT	CR eta \		SLB &	M Parishi 13	97172
i. I milit avo.		9464		, (4, 544)		Sevier		tah
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•			o Indicate Nat	ure of Notice, Repor				
N	OTICE OF INTEN	TION TO:		•	BUBSEQUENT	REPORT OF		<del></del>
TEST WATER SHUT-OF	P	PULL OR ALTER CASI	76	WATER SHUT-OFF		REP	AIRING WELL	·
FRACTURE TREAT	.	MULTIPLE COMPLETE	'	FRACTURE TREATMENT			ERING CASIN	°
SHOOT OR ACIDIZE REPAIR WELL		ABANDON* CHANGE PLANS		(Other) Spuc	ding	ABA	NDONMENT*	X
		CHANGE FLANS						
(Other)	COMPLETED OP	ERATIONS (Clearly st	ate all pertinent d	(NOTE: Report Completion or I etails, and give pertinent s and measured and true	Recompletion t dates, incl	n Report and juding estima	i Log form.) ated date of	starting
(Other) 7. DESCRIBE PROPOSED OR proposed work. If	COMPLETED OFF well is direction	ERATIONS (Clearly strongly drilled, give	ate all pertinent d	(Note: Report Completion or I	Recompletion t dates, incl	n Report and juding estima	i Log form.) ated date of	starting :
(Other)  DESCRIBE PROPOSED OR Proposed Work. If nent to this work.)*  Amended locat:	completed ore well is direction	erations (Clearly stonally drilled, give in a stached.	subsurface location	(Note: Report Completion or I	Recompletion t dates, incl evertical de	n Report and uding estimate the state of the	d Log form.) ated date of markers and	starting I sones pe
(Other)  DESCRIBE PROPOSED OR Proposed work. If nent to this work.)*  Amended locat:  Rig skidded or 10:00 A.M.	completed operwell is direction ion plat	attached.	subsurface location	(NOTE: Report Completion or I etails, and give pertinent s and measured and true	Recompletion t dates, incl evertical de	n Report and uding estimate the state of the	d Log form.) ated date of markers and	starting I sones pe
(Other)  DESCRIBE PROPOSED OR proposed work. If nent to this work.)*  Amended locat:  Rig skidded or	completed operwell is direction ion plat	attached.	subsurface location	(NOTE: Report Completion or I etails, and give pertinent s and measured and true	Recompletion t dates, incl evertical de	n Report and uding estimate the state of the	d Log form.) ated date of markers and	starting I sones pe
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(Other)  DESCRIBE PROPOSED OR Proposed work. If nent to this work.)*  Amended locat:  Rig skidded or 10:00 A.M.	completed operwell is direction ion plat	attached.	subsurface location	(NOTE: Report Completion or I etails, and give pertinent s and measured and true	Recompletion t dates, incl evertical de	n Report and uding estimate the state of the	d Log form.) ated date of markers and	starting I sones pe
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DESCRIBE PROPOSED OR proposed work. If nent to this work.)*  Amended locat: Rig skidded or 10:00 A.M.  Verbal permiss	ion plat ver to th	attached.  ae above locationed before	subsurface location	(NOTE: Report Completion or I etails, and give pertinent s and measured and true	Recompletion t dates, incl evertical de	n Report and uding estimate the state of the	d Log form.) ated date of markers and	starting I sones pe
(Other)  DESCRIBE PROPOSED OR Proposed work. If nent to this work.)*  Amended locat:  Rig skidded or 10:00 A.M.  Verbal permiss	ion plat ver to th	attached.  ae above locationed before	ation and t	(Norm: Report Completion or I etails, and give pertinents and measured and true he well was spu operations.	Recompletion t dates, incl evertical de	n Report and uding estimate the state of the	d Log form.) ated date of markers and	starting isones pe
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(Other)  DESCRIBE PROPOSED OR proposed work. If nent to this work.)*  Amended locat:  Rig skidded or 10:00 A.M.  Verbal permiss	completed operwell is direction ion plat ver to the sion obtains the foregoing in the foreg	attached.  attached locationed before	ation and t	(Norm: Report Completion or I etails, and give pertinents and measured and true he well was spu operations.	Recompletion t dates, incl evertical de	n Report and udling estimates for all may 30	d Log form.) ated date of markers and	starting isones pe

ABANDONMENT*

SHOOT OR ACIDIZE REPAIR WELL

#### Form approved. Budget Bureau No. 42-R1424. Form 9-331 (May 1963) UNITED STATES UNITED STATES SUBMIT IN TRIPLICATE® O(Other instructions on reverse side) 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** U-3547 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a Use "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME WELL GAS Well X OTHER Paradise Lake 2. NAME OF OPERATOR 8. FARM OR LEASE NAME Ö Colt Oil Inc. 8. ADDRESS OF OPERATOR 9. WELL NO. P. O. Box 3052, Grand Junction, Colorado 8150 5-1A 10. FIELD AND POOL, OR WILDCAT LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) Wildcat At surface 2061' FWL, 591' FSL, Sec. 5, T25S, R4E, Sevier 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA County, Utah Sec. 5, T25S, R4E, SLB & M 12. COUNTY OR PARISH | 18. STATE 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 9464' G.L. Sevier Utah 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data , NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL TEST WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CARING

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and sones pertinent to this work.)*

SHOOTING OR ACIDIZING

(Other)

ABANDON*

CHANGE PLANS

Due to water problems encountered between 2500' and 2900', we propose to run 2900 ft. of new 7"-20# K-55 Range 2 casing and cement with 150 Sx of regular cement. casing has been set, drilling operations will resume using air as the drilling medium.

A  $6\frac{1}{4}$ " hole will be drilled to TD and the production casing will be  $4\frac{1}{2}$ " as approved on the Application for a Permit to Drill.

18. I hereby centify that the foregoing is true and correct SIGNED	TITLE Agent	DATE 6-11-76
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

DEPARTA	UNITED STATES MENT OF THE INTERI GEOLOGICAL SURVEY	SUBMIT IN TRIPLICATE* OR (Other instructions on reverse side)	Form approved. Budget Bureau No. 42-R1424.  5. LEASE DESIGNATION AND SERIAL NO. U-3547
SUNDRY NOT	ICES AND REPORTS C als to drill or to deepen or plug b TION FOR PERMIT—" for such pr		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL X OTHER  2. NAME OF OPERATOR Colt Oil Inc.  3. ADDRESS OF OPERATOR P. O. BOX 3052, Grand  4. LOCATION OF WELL (Report location of See also space 17 below.) At surface	Junction, Colorado &	1501 of F	7. UNIT AGREEMENT NAME Paradise Lake 8. FARM OR LEASE NAME  9. WELL NO. 5-1A 10. FIELD AND POOL, OR WILDCAT Wildcat 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, 9464 G.L.	RT, GR, etc.)	Sec. 5, T25S, R4E,  SLB & M  12. COUNTY OR PARISH 13. STATE  Sevier Utah
FRACTURE TREAT SHOOT OR ACIDIZE	CULL OR ALTER CASING AUGUSTIPLE COMPLETE ABANDON* CHANGE PLANS  RATIONS (Clearly state all pertinent nally drilled, give subsurface locations)  d to 651' and 10 3/4 ing 3% CaCl ₂ and ½#/6  rilled an 8 3/4" hole	WATER SHUT-OFF  FRACTURE TREATMENT SHOOTING OR ACIDIZING  (Other)  (NOTE: Report results or Completion or Recomple details, and give pertinent dates, it is and measured and true vertical  "-40.48# casing was so Sx flocele in first 3:	et at 650' with 470 Sx 20 Sx. Plug down O# casing at 2735'
18. I hereby certify that the foregoing is SIGNED (This space for Federal or State office	TITLE	Agent	DATE 6-17-76

DATE _

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:



# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

	Budget Bureau	No.	42-R356	.5.
AND OFFICE	Salt La	ke	City	<b>.</b>
	u-3547			
	Paradise			

# LESSEE'S MONTHLY REPORT OF OPERATIONS

State	Uta	h		Ca	ountySe	vier	Fie	ldWi	ldcat	`
The	e foll	owing	is a	correc	t report of	operati	ons and pro	duction (i	ncluding d	trilling and producing
										******************************
Agent's	addı	·e88	P. (	D. Box	3052,		Cor	npany	Colt Oil	Inc.
	Gra	ind J	unct	ion, C	olorado 81	501	Sig	ned	to you	570-0
Phone .										,
SEC. AND	<del></del>	RANGE	WELL	DAYS PRODUCED	Babbris of Oil	GRAVITY	G- 8 C	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARES (If drilling, depth; if abut down, cause; date and result of test for geneline content of gen)
SetSWt		4E	5-1	-	-			-	-	Well spudded on May 3, 1976 at 11:00 P.M. Due to drilling problems, this holwas abandoned on May 23, 1976 and rig skidded.
SE' _{\$} SW ¹ _{\$}	25S	4E	5-17		-		<b>-</b>		-	Well spudded on May 30, 1976 at 10:00 A.M.
				<u> </u>					<u> </u>	

Note.—There were No runs or sales of oil; No Mou. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329 (January 1950)

CIRCULATE TO:

DIFECTOR

TETROLEUM ENGINEER

M ME COORDINATOR AGMINISTRATIVE ASSISTANT

4.13

1.2.1

FOR FILING

June 22, 1976

MEMO FOR FILING

Re: Colt Oil & Gas Company

Paradise Lake Unit 5-1A Sec. 5, T. 25 S., R. 4 E.

Sevier County, Utah

On June 21, 1976, permission was given to Mr. Gagth, Reserve Oil & Gas Company, by the U. S. Geological Survey.

All aspects of said plugging program are in concurrence with this Division.

PATRICK L. DRISCOLL CHIEF PETROLEUM ENGINEER

PLD; tb

cc: U. S. Geological Survey

### PLUGGING PROGRAM FORM

Name of Campagy, COLT OIL	& GAS COMPANY	Well Name: Faradise Lake Unit 5-1A
Warbol Approval Gaven To		Sec. 5 T. 258 R. 4 E County: Sevier

Variate Aspectal Was Given To Plug the Above Mentioned Well In The Following Manner:

On June 21, 1976, Colt Oil & Gas company received their plugging program from the U.S. Geological Survey to this effect:

50 sx cement plug at the interval 2575'- 2725'.

This will be 50' into the surface of the shut-off intermediate casing. They will lay a 150' plug in and around with 50 sx cement at 600' to 700'.

50' in and 50' under the vase of the 10 3/4" surface casing. They will have 10 sx cement at the top of the 10 3/4" casing. If they do not have a regulation dry hole marker they will cement and out off 3' to surface - but they will probably erect the marker.

ate Verbally Approved:	Signed:

iorm	9-331
May	1963)

# U , ED STATES SUBMIT IN TR

Form approved. Budget Bureau No. 42-R1424.

JUL 0 11 1976

↓ DEPA	5. LEASE DESIGNATION AND SERIAL NO. U = 3547		
	GEOLOGICAL SURVEY  NOTICES AND REPORTS  proposals to drill or to deepen or plug prelication for PERMIT—" for such p		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS WELL WELL OTH	FIER		7. UNIT AGREEMENT NAME Paradise Lake 8. FARM OR LEASE NAME
Colt Oil Incorpora	ted		
3. ADDRESS OF OPERATOR			9. WELL NO.
	and Junction, Colorado 8 ation clearly and in accordance with any		5-1A  10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface	ition clearly and in accordance with any	State leganements.	Wildcat
2061' FWL,	591' FSL, Sec. 5, T25S,	R4E, Sevier County, Utah	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	•		Sec. 5, T25S, R4E,
14. PERMIT NO.	15. ELEVATIONS (Show whether Di		12. COUNTY OR PARISH 13. STATE
·	9464' G.I	1.	Sevier   Utah
18. Chec	k Appropriate Box To Indicate N	Nature of Notice, Report, or C	Other Data
NOTICE OF	INTENTION TO:	SUBSEQU	JENT REPORT OF:
TEST WATER SHUT-OFF FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING WELL ALTERING CASING
SHOOT OR ACIDIZE	ABANDON* X	SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL (Other)	CHANGE PLANS	(Other)  (Nore: Report results Completion or Recomb	of multiple completion on Well etion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLET proposed work. If well is nent to this work.) •	TED OPERATIONS (Clearly state all pertined directionally drilled, give subsurface local	it details, and give pertinent dates,	including estimated date of starting an
Drilled a 64" hole	to 4121' and found well	to be noncommercial.	
Surface Casing:		_	th 470 Sx Class G ocele in first 320 Sx.
Intermediate Casino	-	at 2735' with 100 Sx asing off, and pulled	
Cement Plugs:	2775-2307' with 90 675'-575' with 50 Surface 10 Sx.		
are to install regumeeting with the Lo	e on 6-22-76. Verbal peulation dry hole markers oa Forest Service on Jultiming of the reserve pee completed by the end	over both holes. The y 14, 1976 to discuss oits drying up, the lo	is will be done after surface restoration
	ROVED BY THE DIVISION ( GAS, AND MINING	OF	
DAT	E:		
18. I hereby cartify that the forest	olng is true and correct		
SIGNED SIGNED	TITLE		DATE 6-29-76
(This space for Federa Or Sta	te flice use)	TOTAL TERMETS	Contirm Oral
APPROVED BY	, IF ANY:	THE PART OF STREET	DATE 6/21/76

*See Instructions on Reverse Side

Attached

# Sordon Engineering, Inc.

Consulting Engineers
Specialists in Oil & Gas

P. O. Box 3052 822 North Avenue Grand Junction, Colo. 81501 (303) 245-1958

June 18, 1976



Re: Paradise Lake Unit #5-1A SE\s\%\%, Sec. 5-25S-4E Sevier County, Utah

Mr. Grant I. Gaeth Colt Oil Incorporated 633 Seventeenth Street, Suite 1270 Denver, Colorado 80202

Dear Mr. Gaeth:

On June 11, 1976, a call was received from Mr. E. W. Guynn stating that a spill had been reported and he requested that all operations be suspended until such time that he released them. The drilling contractor was notified and after he called the rig to notify them, a confirmation call was made to Mr. Guynn. Arrangements were made to meet Mr. Alexander of the U.S.G.S. on location the morning of June 12, 1976.

Mr. Alexander and myself inspected the location, the spill site, and the nearby drainage around 9:30 A.M. on June 12, 1976. After the inspection was made, Mr. Alexander issued a shut down order and several other incidents of non-compliance which are attached. During the inspection trip, several photographs, shown by Attachment No. 1, were taken.

We visited with Mr. Russell Morris, the toolpusher for the rig, and discussed what had taken place. Mr. Guynn was then called and our operations released about 12:30 P.M. From all indications, the well was making about 400-500 BBL of water from about 2600 feet on down. As soon as the upper reserve pit was filled up, the rig crew cut the dam and drained it into the lower pit.

Shortly thereafter, the dam on the lower pit began to collapse as water began to run over it. This necessitated cutting the water out of the lower pit to keep it from completely bursting. Several thousand barrels of water within both pits ran into a small gully and eventually entered a fresh water stream about 1/2 mile from the rig. The drilling effluent was mostly

Page 2

To: Mr. Grant I. Gaeth From: Mr. John I. Gordon

Date: June 18, 1976

formation water with a small amount of mist drilling fluid. The mist drilling fluid was fresh water containing a biodegradable soap and 2½ lb. potassium chloride (KCl) per barrel of water.

It is my understanding that during the spill, soapsuds could be found for about 1/4 mile, before breaking up and dispersing. When the inspection was made with Mr. Alexander, absolutely no evidence of soapsuds existed, and no effluent was entering the gully. Later during our conversation with Mr. Guynn, he stated that the Forest Service had indicated that we were blatantly discharging drilling fluid containing cuttings into a fresh water stream and he apologized for this.

We have received full cooperation from Mr. Guynn and his staff during this problem, and they have been extremely helpful. All of the incidents of non-compliance have been corrected as of 6-16-76 and a report is being filed with the U.S.G.S. The pictures in Attachment No. 1 are provided as additional documentation for your file and future use.

Very truly yours,

Jacky Day Down

John I. Gordon

JIG/jmt Enclosures

# (9.1973) Budget Bureau No. 42-R1613 Page DEPARTMENT OF THE INTERIOR Lease No. GEOLOGICAL SURVEY NOTICE OF INCIDENTS OF NON-COMPLIANCE DETECTED AND ACTIONS TAKEN District Name: Lease Operator: Time: (24-hour clock) Platform or Rig Name: Area: Block: Field: TO: (Company Representatives) THE FOLLOWING LIST OF INCIDENTS OF NON-COMPLIANCE WERE FOUND BY U. S. GEOLOGICAL SURVEY INSPECTOR(S) ON THE DATE AND AT THE SITE LISTED ABOVE. MARNING IS HEREBY GIVEN TO CORRECT THE FOLLOWING DEFICIENCES: Inc. No. Explanation or Remarks Date Corrected (If more space is needed attach separate sheet) THE HEREBY ORDERED TO SHUT-IN THE FOLLOWING OPERATIONS: (The related INC's are marked with an asterisk *)

Ten dury of U.S.G.S. Representative:

The second in the appropriate column and the green copy of this form returned to the 19 of the seldence shown no later than a days from the date of inspection. Each item cited in the above list shall be corrected before the time of the seldence shown no later than a days from the date of inspection. Each item cited in the above list shall be corrected before the time of the operator's representative shall sign the form certifying that all the incidents of non-compliance on the list have been consistent to the returned within a days, appropriate waiver must be obtained through the District Engineer.

the platforms shut in by this order must be inspected before returning to operation.

Pound Garage

, certify that each incident of non-compliance listed above has been

Position Title:



## COLT OIL INCORPORATED

First of Denver Plaza, Suite 1270 633 Seventeenth St. • Denver, Colo. 80202 phone (303) 534-3460



TO:

Working Interest Owners

FROM:

Grant I. Gaeth

SUBJECT:

Drilling and Geological Report Colt-Paradise Lake Unit #5-1A

2061' FWL, 591' FSL

Section 5, T. 22 S., R. 4 E.,

Sevier County, Utah

Original Gr. Élev. = 9464' Adjusted Gr. Elev. = 9470' = 9480'

K.B. Elev.

DATE:

July 9, 1976



The above referenced wildcat test penetrated 583' into the Tununk member of the Cretaceous Mancos formation and was subsequently abandoned at a total depth of 4121' on June 22, 1976.

The Paradise Lake Unit #5-1 spudded on May 3. 1976, had 10 3/4" surface casing set at 418' RKB with 285 sxs of regular cement + 2% CaCl2 and was abandoned on May 23, 1976 after failing to penetrate below 1752'.

Shortly after initiating drilling operations on the #5-1 well, the U.S. Forest Service filed a complaint with the U.S.G.S. which resulted in the May 5, 1976 surface inspection and report. (See attached May 6 letter by John I. Gordon).

After securing U.S.G.S. approval and expanding the location, the rig was skidded approximately 30' to the south and west where operations on the #5-1A were initiated on May 30, 1976. 10 3/4" surface casing was set in a 15" hole at 650' RKB with 470 sxs regular cement + 2% CaCl 2. An 8 3/4" hole was drilled to 2758' where excessive formation water produced by the air mist drilling medium caused overloading of the reserve mud pits and partial discharge into a dry stream bed leading north from the drill site. Operations were suspended by the U.S.G.S. on June 11, 1976 and a shut down order rendered on June 12, 1976. A copy of John I. Gordon's engineering report regarding the drilling effluent spill is attached.

Operations resumed after compliance with U.S.G.S. stipulations and intermediate 7" casing was set at 2735' with 100 sxs regular cement on June 17, 1976. A 6 1/4" hole was drilled to a total depth of 4121' with an increasing discharge of formation water while drilling with air mist. Enlarged reserve pits and approved trucking of excess formation water kept operations in compliance with the approved plan of operations.

Following is the bit record of the #5-1A well:

Working Interest Owners July 9, 1976 Page Two

Run	Size	Make	Туре	Serial	Depth Out	Footage	Hours
1	15	Reed	ΥT	R.R.	310	310	
2	15	SEC	M4N	654997	441	131	
3	8 3/4	SEC	M44N	510668	624	183	
4	8 3/4	HTC	OWV	P5559	1872	1248	25 3/4
5	8 3/4	SEC	M44N	654726	2758	886	28
6	6 1/4	HTC	OWV	KH880	3046	288	7 3/4
7	6 1/4	SEC	M4n	497197	3229	183	8
8	6 1/4	SEC	H7J	679145	3374	150	6 3/4
9	6 1/4	SEC	588F	656003	4121	747	19 3/4

After making several trips to clear the bridging hole, a <u>Dule Induction-Laterolog</u> was run in the interval 2735'-4032' and a <u>Gamma Ray log was run</u> through the interval surface to 3344'. Logging operations were concluded at 8:00 A.M. on June 21, 1976 after failing to by-pass the bridging hole below 3100' with density, caliper and neutron tools. Detailed formation evaluation with the available surveys was not possible in the Ferron interval, however, the drilling of this interval with air mist yielded a continous test of Ferron sands which were found to be water bearing.

Electric log formation tops and Sea Level datum elevations are tabulated below:

	Sample Top	E-log Top	Sea Level Datum
Cretaceous			
Starpoint		460'?	+9020'?
Musuk		646'?	+8834'?
Emery	960'	977'	+8503'
Bluegate	1590'	1624'	+7856'
Ferron	2740'	2746'	+6734 '
Tununk	3550'	3538 '	+5942'

U.S. Geological Survey and Utah State Oil and Gas Conservation Division <u>plugging orders</u> were completed June 22, 1976. (See attached Form #42-R1424 dated 6/29/76 and approved 7/6/76). The U.S. Forest Service and the U.S.G.S. have decided to waive the dry hole marker requirement in favor of complete rehabilitation. Evaporating reserve pits and a fall reseeding schedule dictate a probable October rehabilitation program.

Structurally, the Paradise Lake Unit #5-1A was 40' high to the Pacific Natural Gas Exploration Company Paradise Lake #7 well located in NE SE of Section 8, T25S, R4E when comparing Cretaceous Ferron tops, however, the #5-1A well was only 21' high to the #7 well when comparing the tops of the Cretaceous Tununk shale. Conductivity curves in logs of the Tununk shale in both wells were

Working Interest Owners July 9, 1976 Page Three

identical and yielded an unquestionable stratigraphic correlation. The #5-1A well ran in excess of 200' structurally low to the prognosis and proved either the presence of a normal fault between surface mapping points #'s 10, 11 and 12 and the well site or that these same surface points are not truly the top of the Cretaceous Starpoint sandstone. (See Paradise Lake Cretaceous Starpoint Structure Map).

Stratigraphic comparisions of the Cretaceous Ferron intervals in the #5-1A and #7 Paradise Lake wells are inconclusive. The #5-1A well was mist drilled and has a gamma ray log without caliper to 3346' while the #7 well was mud drilled and has a caliper log with no gamma ray curve. Spontaneous Potential (S.P.) tools were run in both wells and are totally disimilar. Ferron sandstone beds in the #5-1A well are probably thinner and of inferior reservoir quality to those in the #7 well. The Ferron intervals in the #5-1A and #7 wells are 792' and 773' respectively.

No shows of oil or gas were observed in the Ferron sands. Sample quality was fair to good but most sandstones came to the surface as individual quartz gains. The mist drilling medium with intermediate casing set just above the Ferron interval yielded a continous formation test with a minimum formation damage factor.

In conclusion, the Colt Paradise Lake Unit #5-1A well penetrated the complete Ferron interval without encountering oil and/or gas shows and was abandoned at a total depth of 4121' in the Cretaceous Tununk shale. The 4121' total depth satisfied both Unit and Partner obligations. Structurally, the #5-1A well was in excess of 200' low to the drilling prognosis and defined an error in the surface structural interpretation.

It is recommended that Colt Oil Incorporated, as Unit Operator, submit within the next thirty days a plan for unit development to the U.S. Geological Survey calling for additional surface mapping, a winter seismic program involving reinterpretation of existing seismic data and an 11,000' Permian test to be drilled after June 15, 1977. Copies of this plan together with our AFE estimates and proposal to working interest owners will be forthcoming.



# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL AND GAS CONSERVATION 1588 West North Temple Salt Lake City, Utah 84116

# REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number	Paradise Lake Unit #5-10 APT 43-041-30012
Operator <u>Colt Oil Inc</u>	orporated
Address <u>Suite</u>	1270. 633 Seventeenth St., Denver, Colorado 80202
Contractor Willar	d Pease Drilling Company
Address <u>2457</u> ]	ndustrial Blvd., Grand Junction, Colorado 81501
Location <u>SE</u> 1/4, <u>SW</u>	/4, Sec. <u>5</u> ; T. <u>25 MX R. 4 E; Sevier</u> County
Water Sands:	
From- To-	Volume: Quality: Flow Rate or Head - Fresh or Salty -
1. 460 - 646	Made water while drilling Fresh
2. <u>1500</u> - 1600 3.	
4. <u>2746</u> - <u>3538</u>	
	(Continue on Reverse Side if Necessary)
Formation Tops:	
Starpoint? 460' Masuk? 646' Bluegate 1624' Ferron 2746'	
Tununk 3538' NOTE: (a) Upon dimin (b) Report on	ishing supply of forms, please inform this office. this form as provided for in Rule C-20, General Rules
(c) If a water	tions and Rules of Practice and Procedure, quality analysis has been made of the above reported se forward a copy along with this form.

CALVIN L. RAMPTON

Governor

GORDON E. HARMSTON Executive Director, NATURAL RESOURCES

CLEON B. FEIGHT
Director



OIL, GAS, AND MINING BOARD

GUY N. CARDON
Chairman

CHARLES R. HENDERSON ROBERT R. NORMAN JAMES P. COWLEY

HYRUM L. LEE

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116

September 23, 1976

Colt 0il Inc.
Suite 1270
633 Seventeenth Street
Denver, Colorado 80202

Re: Well No. Paradise Lake Smit 5-1A Sec. 5, T. 25S, R. 4E Sevier County, Utha

#### Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

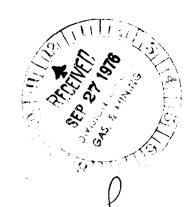
DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER RECORDS CLERK



## COLT QIL INCORPORATED

First of Denver Plaza, Suite 1270 633 Seventeenth St. • Denver, Colo. 80202 phone (303) 534-3460



September 23, 1976

State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1588 West North Temple Salt Lake City, Utah 84116

Attention: Cleon B. Feight

Director

Paradise Lake Unit Re:

Well #5-1

Dear Mr. Feight:

Enclosed you will find a copy of the approved Notice of Abandonment for the above referenced well. The geological report was transmitted to you under a letter dated July 21, 1976. This report covered both the 5-1 and 5-1A wells. No logs were run as the two wells were 25° feet apart.

Sincerely,

GIG:d

Enclosures

Form 9-331 (May 1963)	DEPARTM	JNITED STATES MENT OF THE IN EOLOGICAL SURV		SUBMIT IN TRIPLE (Other instructions verse side)		Form approv Budget Bure 5. LEASE DESIGNATION U-3547	au No. 42-R1424.
		CES AND REPORTS to deepen of TION FOR PERMIT—" for			>	6. IF INDIAN, ALLOTTES  7. UNIT AGREEMENT NA	
OIL GAS WELL  2. NAME OF OPERATOR	OTHER		5	SEP 27 1976  DIVISION OF CIL.  GAS, & MINING	3	Paradise La 8. FARM OR LEASE NAME	ake
	B 052, Grand Report location el ow.)	Junction, Color early and in accordance w FWL, 611' FSL, Sevier	ith any State Sec. 5,	inglif Spine 12		9 WELL NO. 5-1 10. FIELD AND POOL, O Wildcat 11. SEC., T., S., M., OR I SURVEY OR AREA Sec. 5, T25	BLE, AND
14. PERMIT NO.		15. ELEVATIONS (Show wh		R, etc.)		12. COUNTY OF PARISE Sevier	Utah
TEST WATER SHUT-OF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)  17. DESCRIBE PROPOSED OF Proposed work. It nent to this work.)  Well was sput between 400'  Surface casi cement with  Cement plugs Bridge Plug	R COMPLETED OPER well is direction dded at 11 and 1600' ng set at 2% CaCl ₂ .  set at 12 set at 401	propriate Box To India  FRON TO:  CLL OR ALTER CASING  CLLTIPLE COMPLETE  BANDON*  HANGE PLANS  CATIONS (Clearly state all particles give subsurfate)  100 P.M. on May  hole had to be  418' KB and ceme  70'-480', 650 S:  ' KB with 65 Sx  10 Sx. Regular.	ortinent detrice locations:  3, 1976 abandon ented to	water shet-off fracture treatmen shooting on acidize (Other) (Note: Report Completion or alls, and give pertinen and measured and tree o, due to dril and and the ri o surface with	results of Recomple of dates, in remails of skilling skilling	ENT REPORT OF:  REPAIRING OF AUTERING C. ABANDONMES  of multiple completion tion Report and Log for including estimated dat depths for all markers  problems encounded to a new	on Weil e of starting any s and zones perti- untored location.
	RESUME FO	3' below grade	LEMS ENC	OUNTERED.	e wel	F 97 3H2	7976 1976
SIGNED (This space for Fede	oral or State office	T(TI)	Eng	ineer		DATE5-25	5-76
APPROVED BY		TITL	E		· · · · · · · · · · · · · · · · · · ·	DATE	